

U.S. **ARMY**  
**RESERVE**

# TACTICAL WHEELED VEHICLE CONFERENCE



***MG Thomas J. Plewes***  
***Chief, Army Reserve***

***Ready — Relevant — The Army, Building for the Future***



# THE ARMY VISION

**People ☆ Readiness ☆ Transformation**

*Soldiers on Point for the Nation – Persuasive in Peace;  
Invincible in War*

- **Responsive**
- **Deployable**
- **Agile**
- **Versatile**
- **Lethal**
- **Survivable**
- **Sustainable**

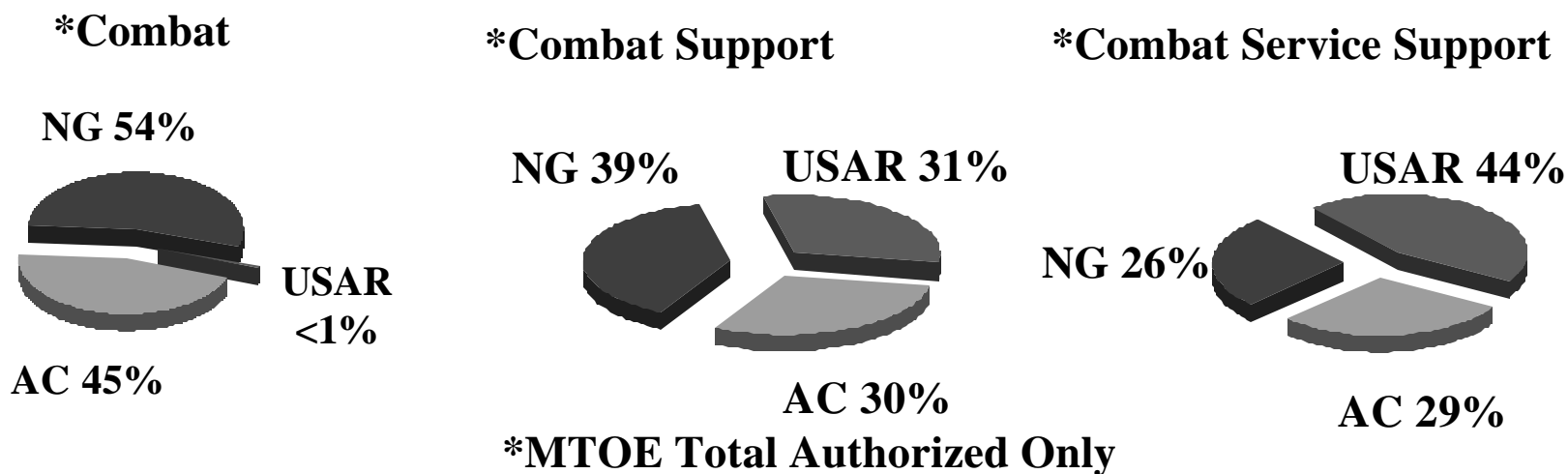
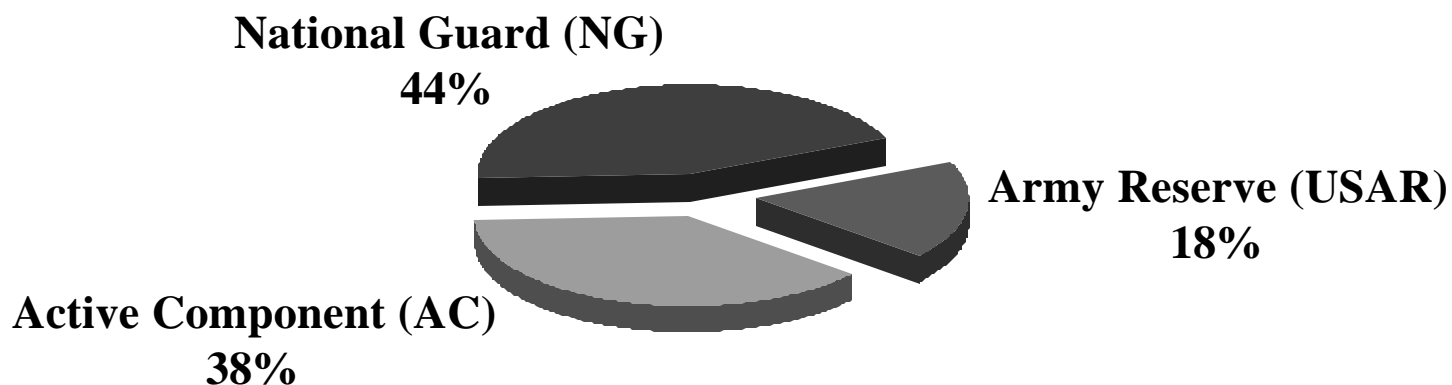


- **1 Bde in 96 hrs**
- **1 Div in 120 hrs**
- **5 Divs in 30 days**

**...Responsive, Deployable, Agile, Versatile, Lethal,  
Survivable, Sustainable...**



# AMERICA'S ARMY BY COMPONENT FY2001 (MTOE ONLY)



# **The Army Reserve Vision:**

***The essential provider for  
training and support operations,  
engaged worldwide with ready  
units and soldiers***







# AMERICA'S ARMY RESERVE

**ENGAGED WORLDWIDE IN PEACE - PREPARED FOR WAR**

**Forward Presence**

**Peace Enforcement**

**Humanitarian Support**

**Domestic Support/Community**

**Assistance**

**Partnership for Peace**

**Overseas Duty Training**

**JOINT FORGE  
JOINT GUARDIAN**



## Power projection

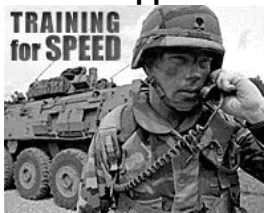
- Transportation Terminal Units
- Garrison support
- Installation medical support

## Training readiness enablers

**Initial Entry Training**

**Lane training/battle simulations**

**Skill training/professional  
education/ROTC**



## Trained and ready

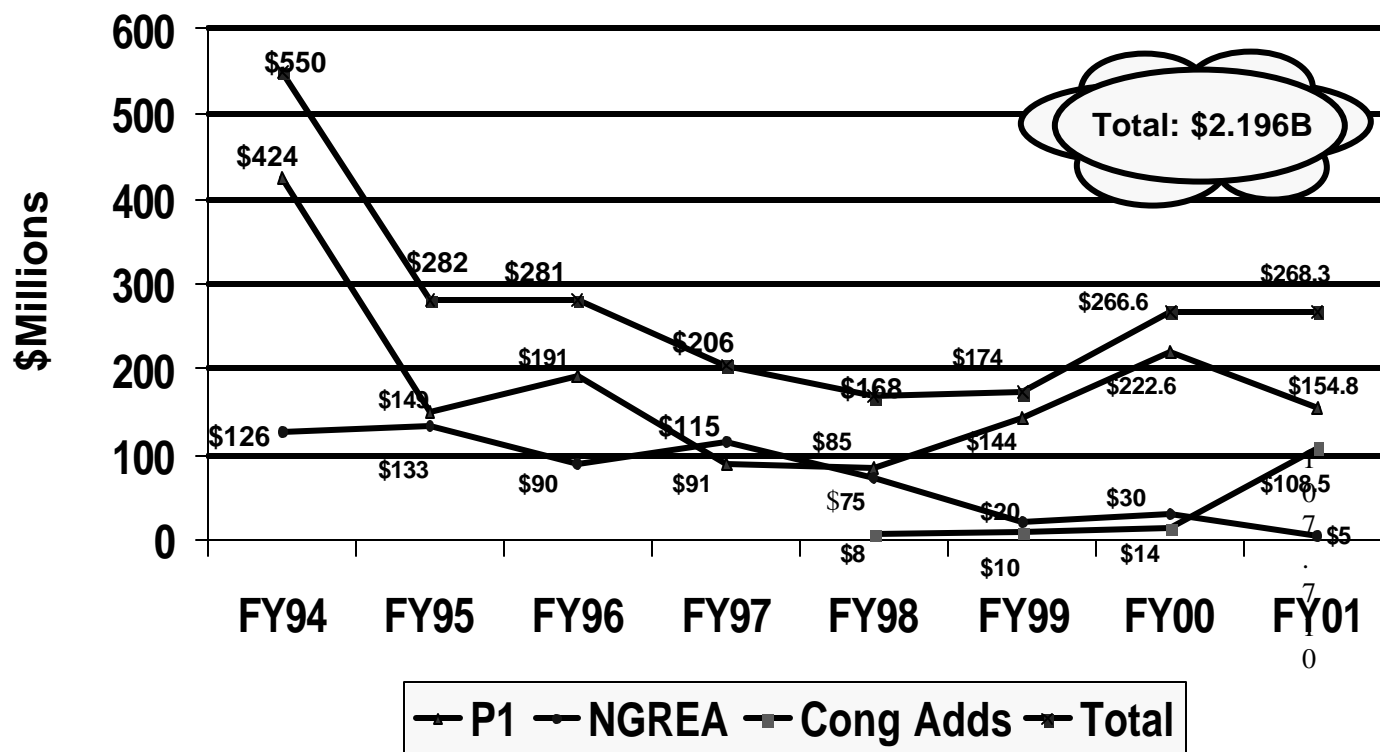
- **Combat Support/Combat Service Support**
  - **424 Force Support Package units**
  - **73% of the forces deployed in Bosnia are RC**
- JOINT READINESS UNITS – TROOP PROGRAM UNITS**  
**INDIVIDUAL MOBILIZATION AUGMENTEES - IRR**



**Ready — Relevant — The Army, Building for the Future**



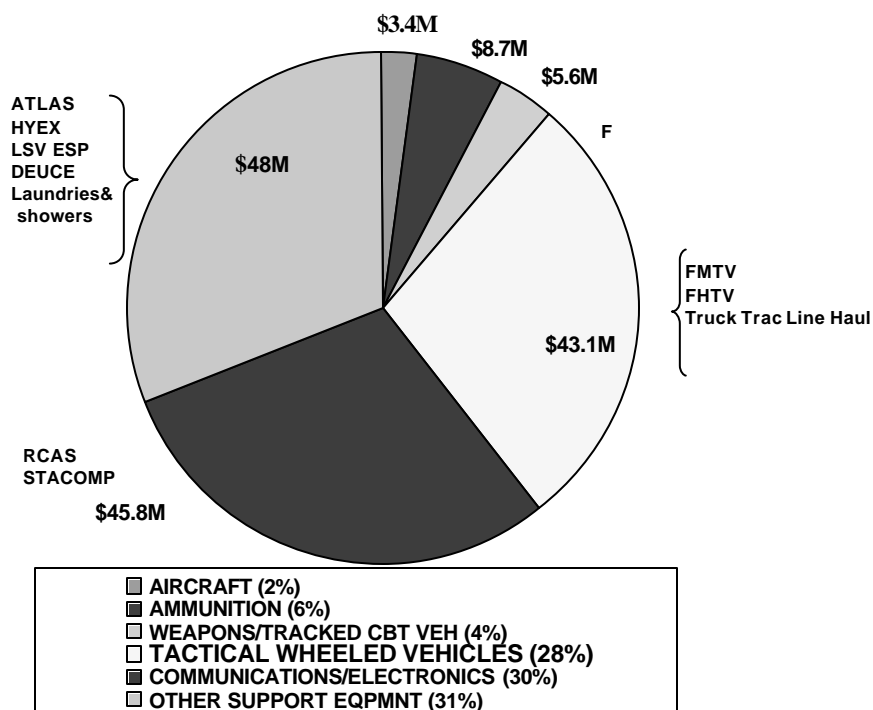
# PROCUREMENT POSTURE FY 1994-2001



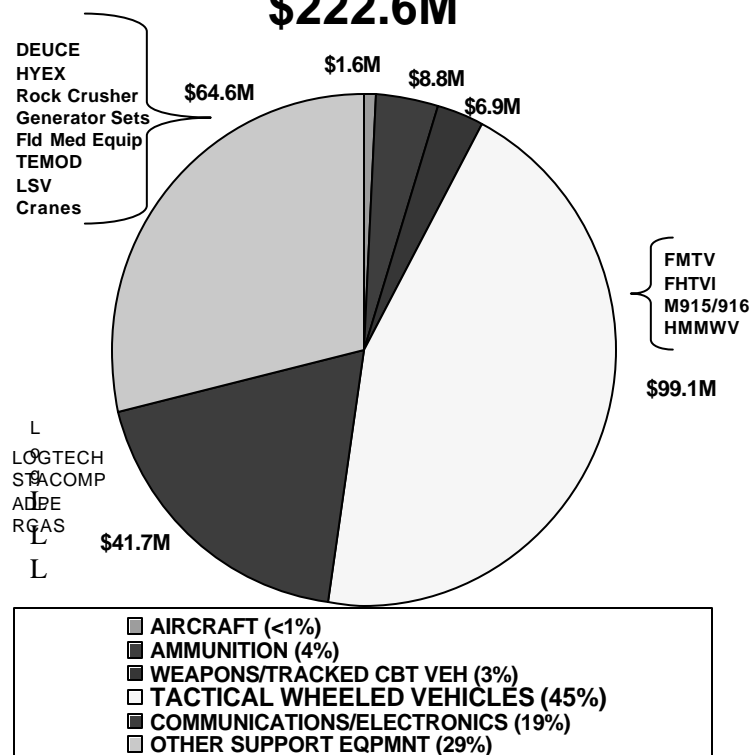


# PRESIDENT'S BUDGET P1R

**FY01 P1R**  
**\$154.8M**

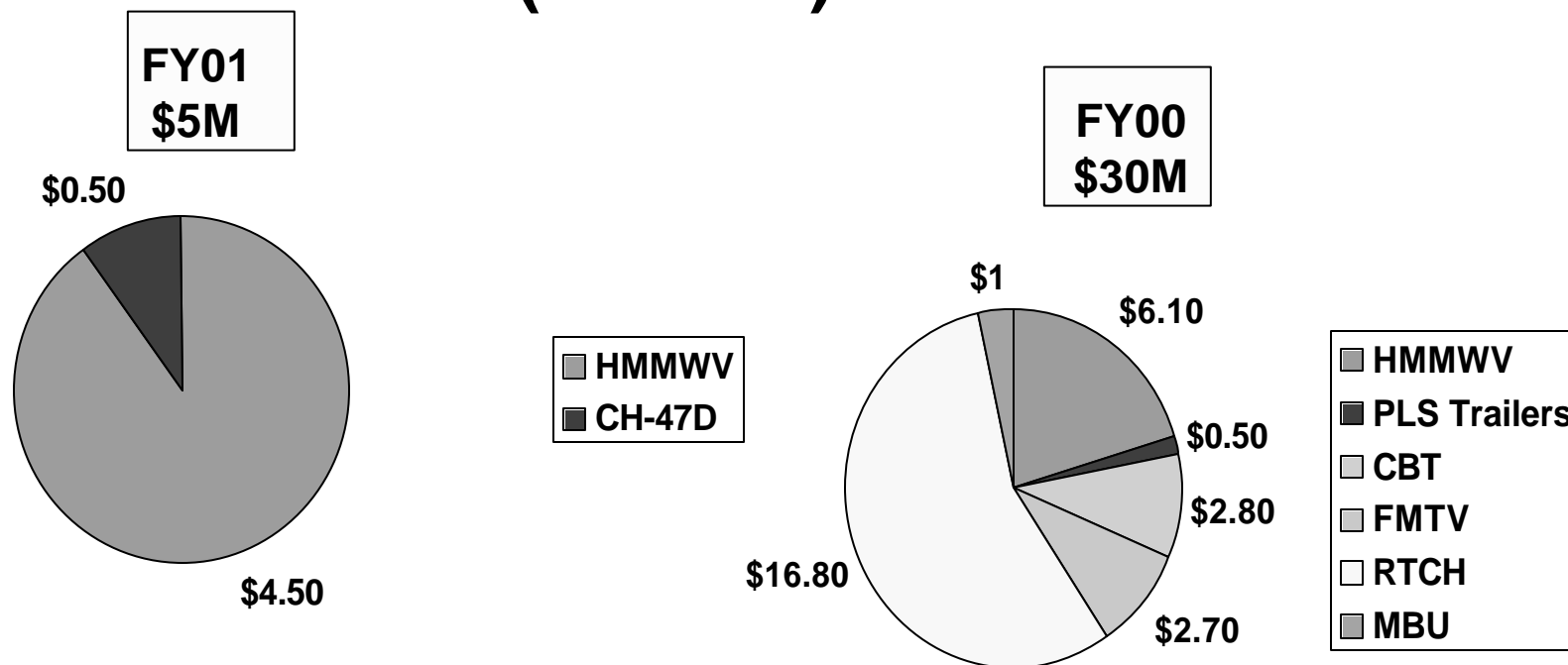


**FY00 P1R**  
**\$222.6M**





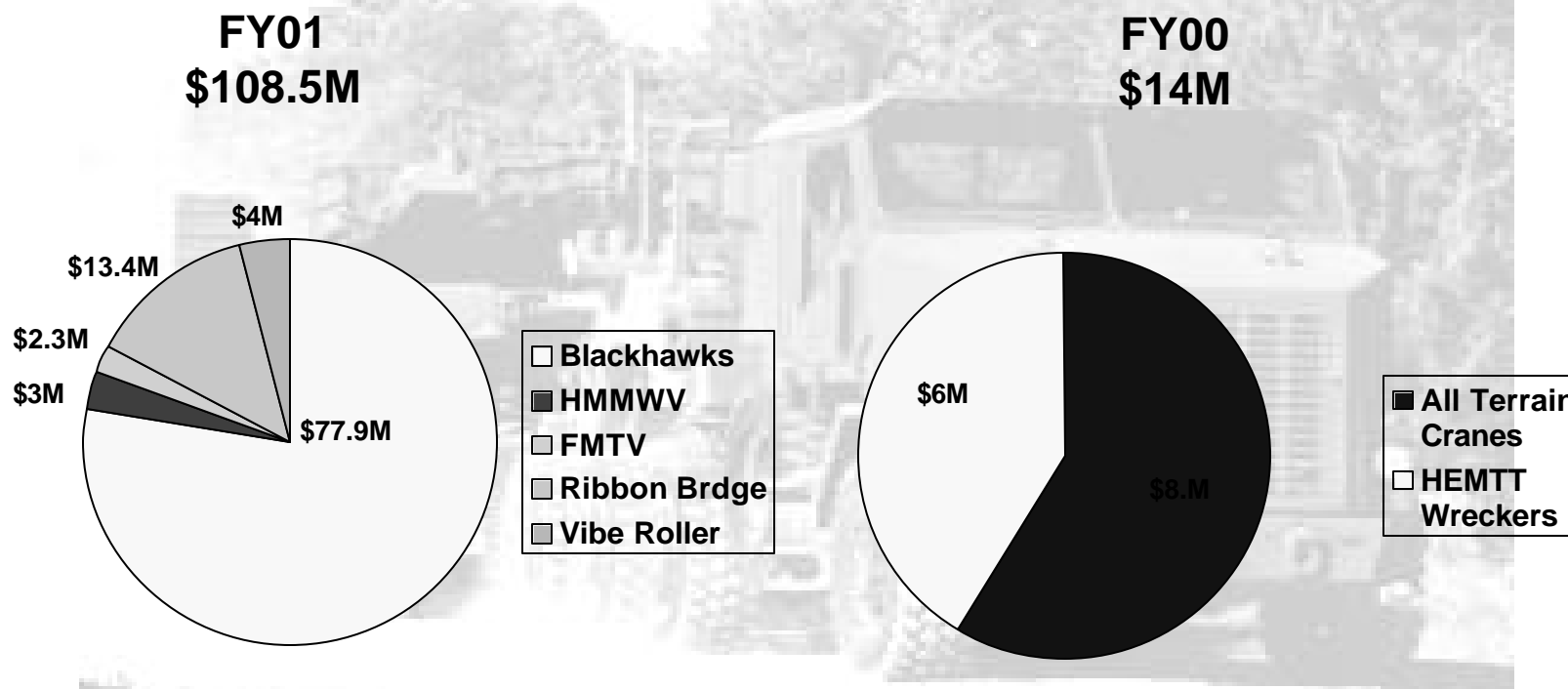
## NATIONAL GUARD & RESERVE EQUIPMENT APPROPRIATION (NGREA) FY2000-2001



NGREA Provides the Flexibility Needed to Pursue Priority Equipment Acquisitions.



# CONGRESSIONAL ADDS FY 2000-2001



**Congressional Adds are Combat Arms and Combat Service Support Oriented**



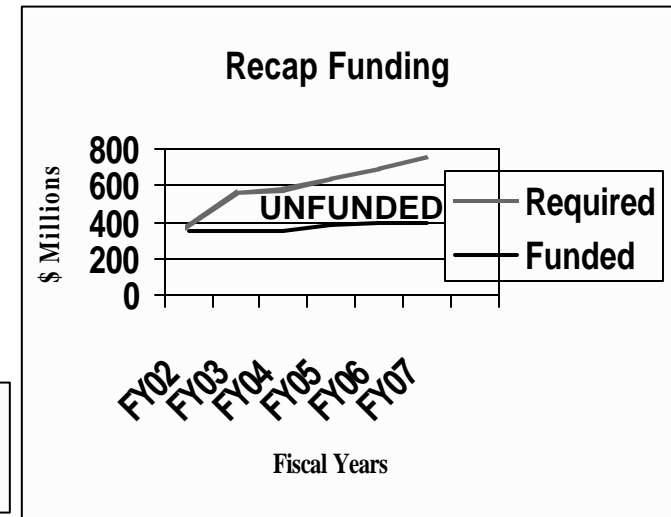
## RECAPITALIZATION REQUIREMENTS

Recapitalization: Zero hours/zero miles; new technology inserts.

- |                             |                      |
|-----------------------------|----------------------|
| 1. M1 Abrams Tank           | 12. HEMTT            |
| 2. AH-64 Apache             | 13. SEE              |
| 3. UH-60 Blackhawk          | 14. M915 Tractor     |
| 4. CH-47 Chinook            | 15. FIREFINDER       |
| 5. AVLB (35 Yrs Old)        | 16. Electronic Shops |
| 6. M9 ACE                   | 17. M992 FAASV       |
| 7. M88 Recovery Vehicle     | 18. D7 Dozer         |
| 8. M2/M3 Bradley            | 19. SUSV             |
| 9. MLRS                     | 20. Scraper          |
| 10. Patriot                 | 21. HMMWV            |
| 11. M113 Family of Vehicles |                      |

**Expectation is that these systems will remain in the USAR for the next 20 years!**

**Recap Plan**  
**Includes dollars for**  
**AC equip only**





# USAR RECAPITALIZATION REQUIREMENTS (\$MILLIONS)

ARMY PRIORITY	SYSTEM	REQUIRED	ESTIMATED COST
12	HEMTT	705	\$ 135.40
14	M915A4	1820	\$ 142.00
21	HMMWV	10423	\$ 365.00
		TOTAL	\$ 642.40



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## **RECAPITALIZATION STRATEGY**

**✓ We have effectively been using  
NGREA (DPP) and depot maintenance  
funding to recap our own systems internally**

- ✓ M915A4 Line tractors**
- ✓ 2 and 2 1/2 ton trucks**
- ✓ HEMTT**
- ✓ HMMWV**

**✓ Steady decline of NGREA will not allow  
continuation of these “self-help” initiatives**





*Recommended by  
Army Science Board*



## LIFE EXTENSION THROUGH CONTROLLED HUMIDITY STORAGE (CHS) INITIATIVE

**Proven method for the strategic long-term storage Army Reserve equipment.**

- ★ *Initial location is Gulfport, Mississippi; will Grow to 6+ sites*
- ★ *450,000 square feet*
- ★ *30% of USAR equipment stored*
- ★ *Equipment stored at 10/20 standards*
- ★ *Equipment stored in unit sets*
- ★ *Scheduled maintenance deferred*
- ★ *Reduced maintenance backlog*
- ★ *Equipment service life extended*

Improved Deployability



# REFURBISHMENT

## M2500L – MACI Firetruck

New Piping & Valves

New Pump & Governor

New Intercom  
System



Modified Hose Bed

New Hydraulic  
Ladder-lift System

Contract/Award scheduled  
For February 01

## M109 Shop Van

Unit Totally Rewired

Roof Sealed

New insulation  
installed

Body is Media  
blasted & Painted

Interior panels  
windows reassembled



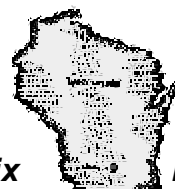
Removing old shop  
van body

Flooring Replace

Truck - 2 1/2 Ton



FT Dix



FT McCoy

20 VANS COMPLETED IN  
FY00

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# UPGRADES

**AVLB Chassis Rebuild Program and  
MLC 60 to MLC 70 Bridge Conversion Program**

**M101A1/A2/A3 Trailer Conversion Program  
3kw Gen & 15 CFM Conversion Program**

**M10K/4K Forklift Rebuild Program**

**6K Gallon Water Distributor Rebuild Program**

**M878 Tractor Rebuild Program**



***Partnering with Industry to Maintain our Fleet***



# CS/CSS ENABLERS TO SUPPORT ARMY TRANSFORMATION

## Requirements to be determined!

	ARMY REQ	ARMY O/H	USAR REQ	USAR O/H	USAR 00-07 PROJECTED	USAR SHORT	ARMY SHORTFALL	UNIT PRICE	SHORTFALL PRICE
FIRE TRUCK	142	0	67	0	48	19	142	438,000	62,196,000
YARD TRUCK	403	135	141	0	86	55	268	113,700	30,471,600
ATLAS	3235	606	1009	228	534	247	2629	100,119	263,212,851
CH-47 (ICH)	481	466	64	58	0	6	15	25,000,000	375,000,000
HVY SP BRDG	82	0	12	0	0	12	82	5,000,000	410,000,000
STAR-T	179	0	33	0	13	20	179	1,076,750	192,738,250
53K RTCH	709	253	281	148	104	29	456	525,000	239,400,000
FMTV	83170	14,523	11,767	176	4,702	6889	68,647	180,000	12,356,460,000
HMMWV	124,000	103,500	16,204	10,547	0	5657	20500	57,300	1,174,650,000
Mod Caus Sys	19	3	9	0	0	9	16	1,500,000	24,000,000



# 53K ROUGH TERRAIN CARGO HANDLER

The RTCH is a non-developmental military unique item. It is a diesel powered container handler capable of lifting, stacking and moving 20, 25, and 40 foot containers weighing up to 53,000 pounds.



PROJECTED DISTRIBUTION						TOTAL	TOTAL	TOTAL	TOTAL	PROJECTED	UNIT	SHORTFALL
FY02	FY03	FY04	FY05	FY06	FY07	PROJECTED	O/H	REQ	SHORTFALL		PRICE	PRICE
8	0	16	9	23	48	104	148	281	29		525,000	15,225,000

**NGREA(FY00) 32 Systems @\$16mil**

# ALL TERRAIN LIFTER ARMY SYSTEM (ATLAS)

The ATLAS is a 10,000lb. capacity, variable reach, rough terrain forklift. It is intended to perform the same type of cargo handling operations as the present 10K capacity forklifts under a wide variety of conditions.



PROJECTED DISTRIBUTION						TOTAL	TOTAL	TOTAL	PROJECTED	UNIT	SHORTFALL
FY02	FY03	FY04	FY05	FY06	FY07	PROJECTED	O/H	REQ	SHORTFALL	PRICE	PRICE
80	27	134	68	102	123	534	228	1009	247	100,119	24,729,393

**NGREA - (FY96, 97, & 98)      Systems Required 228 for \$22.6**

# FMTV 2.5T/5T SERIES TRUCKS

Performs line haul, local haul, unit mobility, unit resupply and other missions. Replaces aging and maintenance intensive trucks currently in the medium tactical fleet.



TYPE	PROJECTED DISTRIBUTION						TOTAL PROJ	TOTAL O/H	TOTAL		UNIT PRICE	SHORTFALL PRICE
	FY02	FY03	FY04	FY05	FY06	FY07			REQ	SHORT		
LMTV	227	561	1259	193	180	180	2600	162	4851	2089	127,445	266,232,605
MTV	0	0	25	450	1627	0	2102	0	6916	4814	160,000	770,240,000

**NGREA (FY98) - 83 Tractors & 5 Cargo (MTVs) @ \$12.7mil  
(FY00) - 18 FMTVs @ \$2.7mil**

**Directed Procurement(Congressional Adds) – FY01 = \$2.3mil**

# HIGH MOBILITY MULTIPURPOSE WHEELED VEHICLE (HMMWV)

The High Mobility Multipurpose Wheeled Vehicle (HMMWV) is designed to provide light tactical vehicle capability in a wide variety of environments.



PROJECTED DISTRIBUTION						TOTAL	TOTAL	TOTAL	PROJECTED	UNIT	SHORTFALL
FY02	FY03	FY04	FY05	FY06	FY07	PROJECTED	O/H	REQ	SHORTFALL	PRICE	PRICE
0	0	0	0	0	0	0	10547	16,204	5657	57,300	324,146,100

**NGREA - FY00 - 102 M1097A2 @ \$6.1(mil)**

**FY01 - 76 M1097A2 @ \$4.5mil (once funds released)**

**Directed Procurement (Congressional Adds) – FY01 = \$3mil**



# TACTICAL FIRE FIGHTING TRUCK (TFFT)

The TFFT is designed to provide enhanced water storage capability to meet current fire fighting requirements. With improved off-road capability the TFFT is able to travel on unimproved surfaces far forward in the battlefield.



PROJECTED DISTRIBUTION						TOTAL	TOTAL	TOTAL	PROJECTED	UNIT	SHORTFALL
FY02	FY03	FY04	FY05	FY06	FY07	PROJECTED	O/H	REQ	SHORTFALL	PRICE	PRICE
0	14	14	14	14	0	56	0	67	11	500,000	5,500,000



# TRANSFORMATION (SUMMARY)

## USAR Fielding Strategy

- Field Force Packages 1 & 2 Units with New Vehicles
- Field Force Packages 3 & 4 Units with Remanufactured Vehicles

**LETHAL**

**FASTER**

**LEGACY-----to-----OBJECTIVE**

**RECAPITALIZATION**



**SUSTAINMENT**



**MODERNIZATION**



**EQUIPMENT  
TRANSFORMATION**



**OBJECTIVE  
FORCE**



**INTEROPERABLE**

**LIGHTER**



## ***IN CONCLUSION***

***The Army Reserve's  
Future is the Army's  
Future ...***

**... trained, ready,  
relevant and reachable  
... enabling the Army to  
be responsive in peace  
and to achieve total  
victory in war.**



***"Mission first,  
soldiers always"***